

Texas

Science and Engineering Profile							
Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999 ¹	27,170	518,670	3	Total R&D performance, 1998 (millions).....	\$10,774	\$214,668	6
Doctoral engineers, 1999 ¹	8,340	107,100	2	Industry R&D, 1998 (millions).....	\$8,408	\$163,480	6
S&E doctorates awarded, 1999 ¹	1,670	25,953	3	Academic R&D, 1998 (millions).....	\$1,668	\$25,342	3
of which, in life sciences.....	28%	25%		of which, in life sciences.....	62%	57%	
in engineering.....	24%	21%		in engineering.....	16%	16%	
in physical sciences.....	13%	14%		in physical sciences.....	9%	9%	
S&E postdoctorates, 1998 ¹				Public higher education current-fund			
in doctorate-granting institutions.....	2,702	39,494	4	expenditures, 1997 (millions).....	\$8,758	\$125,236	2
S&E graduate students, 1998 ¹				Number of SBIR awards, 1990-98.....	1,253	35,413	7
in doctorate-granting institutions.....	26,837	422,834	3	Patents issued to state residents, 1999.....	6,051	83,901	3
Population, 1999 (thousands).....	20,044	276,580	2	Gross state product, 1998 (billions).....	\$646	\$8,800	3
Civilian labor force, 1999 (thousands).....	10,206	140,536	2	of which, agriculture.....	1%	1%	
Personal income per capita, 1999.....	\$26,858	\$28,542	27	manufacturing, mining, construction.....	25%	22%	
Federal spending				transportation, communication, utilities.....	11%	9%	
Total expenditures, 1999 (millions).....	\$97,988	\$1,508,933	3	wholesale and retail trade.....	17%	16%	
R&D obligations, 1998 (millions).....	\$4,111	\$70,445	5	finance, insurance, real estate.....	14%	19%	
				services.....	19%	21%	
				government.....	11%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

¹Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998								
Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies.....	4,110,756	596,978	1,496	2,741,834	691,377	69,230	9,841	5
Department of Agriculture.....	63,664	47,422	0	0	16,221	10	11	4
Department of Commerce.....	12,545	2,590	0	4,185	5,770	0	0	16
Department of Defense.....	1,100,366	132,478	1,496	901,245	59,669	5,395	83	9
Department of Energy.....	22,885	0	0	1,266	21,270	349	0	25
Dept. of Health & Human Services.....	523,738	2,036	0	14,480	477,396	28,981	845	6
Department of the Interior.....	23,049	18,873	0	718	3,215	83	160	5
Department of Transportation.....	12,444	0	0	3,746	409	0	8,289	9
Environmental Protection Agency.....	14,976	0	0	1,601	11,175	2,000	200	10
National Aeronautics and Space Admin.....	2,265,388	393,579	0	1,812,232	27,930	31,394	253	2
National Science Foundation.....	71,701	0	0	2,361	68,322	1,018	0	10
State rank, total.....	5	8	21	4	6	10	4	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".